# L DITORIALS BY THE LA

### Eye Man's Only Ethereal Sense Organ. By Sir Oliver Lodge.



OME philosophers have reason to suppose that model can be made of such a process, nor is it lar meaning in the region of psychology.

The links between mind and mind may be and in denying action at a distance across an essential communicant of mental action, matter.

whether of the sending or receiving variety, yet we know from the The thing that travels across vacuum is not heat.

vening mediumism, and sometimes that has been something. There must be a connecting link of some kind, or the trans- sun when it appears to rebound from it. But the atoms are connected full of this wonderful medium, so full that no human power can remove spoken of as genuine action at a distance; but ference cannot occur. There can be no attraction across really empty as the comet and the sun are connected by a continuous plenum within the first place no proper inception or physical space. And even when a material link exists so that the connection out break or discontinuity of any kind. is obvious the explanation is not complete, for when the mechanism clear that space and distance have any particu- of attraction is understood it will be found that a body really only matter is a thing utterly distinct and separate from the ether, or Dogstar the medium receives the impulses and moves because it is pushed by something from behind.

The essential force in nature is the "vis-a-tergo." So when we something quite other than physical proximity, have found the traces or discovered the connecting thread we still run up against the word "cohesion." Why the whole of a rod should fol- the bounds of the modified and tangible portion, are questions ce- scope." empty space I am not denying telepathy or other low when one end is pulled is a matter requiring explanation, and the manding and, I may say, in process of receiving answers. Every such activities of a nonphysical kind. For although only explanation that can be given involves, in some form or other, a answer involves some view of the universal and possibly infinite unibrain distribution is certainly physical, and is continuous medium connecting the separated particles or atoms of form omnipresent connecting medium, the ether of space.

case of heat that a material movement can be excited in one place at Not the atoms. The atoms are only displaced. It is the connecting undulation and the facility with which they go through vacuum forbid the expense of corresponding movement in another without any similar links that are strained, the connecting medium, the ether. Distortion this. kind of transmission or material connection between the two places, of a spring is really distortion of the ether. All stress exists in the

In all cases where physical motion is involved, however, I would the atoms of matter as we know them. It is doubtful if a piece of universe which the Creator has not seen fit to fill with the symbols of

Matter acts on matter only through the ether. But whether whether it is a specifically modified portion of it, modified in such a after carrying them in its immense bosom for way as to be susceptible of locomotion and yet continuous with all the several years delivers them in due course, rest of the ether which can be said to extend everywhere, far beyond

No ordinary matter is capable of transmitting the undulation or When a steel is bent or distorted what is it that is really strained? tremors that we call light. The speed at which they go, the kind of tremors in this medium, the perception of the

I will quote from Clerk Maxwell: "The vast interplanetary and them cover all that we mean by "sight" and ether. Matter can only be moved. Contact does not exist between interstellar regions will no longer be regarded as waste places in the

mind can act directly on mind without inter- have a medium sought for; it may not be matter ever touches another piece any more than a comet touches the the manifold order of his kingdom. We shall find them to be already its infinite continuity. It extends unbroken from star to star, and when a molecule of hydrogen vibrates in the

regular order, and full tale into the spectro-

This will suffice to emphasize the fact that the eye is an etherent sense organ, the only one we possess, the only mode by which the ether is enabled to appeal to us, and that the detection of direction in which they go, and some inference as to the quality of the object which has emitted



### Efficiency of Industrial Education.



solution; for 50 per cent efficiency usually means connected with the regular school course. a loss when 100 per cent efficiency means a good

college presidents on the subject of business useful employment-continuous occupation. training for college men, together with reports of commissions on industrial education, and the tional methods.

cline," and too many boys go wrong because out interference with any established curriculum. during the school period they get wabbly with

fickle habits that make the twisted man. When you ask a policeman in any part of the city about some recent not dramatize industrialism in our schooling? local petty crime his usual reply is, "O, young fellows out of work," as

if that almost went without saying.

Culture, as we haughtily term it, although perfectly lovely for idleness, is too low in self-supporting efficiency for the conditions most of Recent utterances of a half dozen or more us are called upon to face in big cities, and lacks the moral force of

There is no need to wait until a new generation of special teachers shall be trained to do this additional work which the situation demands, is low because discipline is lacking. Davis bill before congress are confessions of for instructors are here now and can be found among our business men minimum percentages of efficiency in our educa- and in the factories, ready to serve in practical ways.

In Chicago's lively style of doing things, a beginning at the bottom, "As the twig is bent so will the tree in- in the primary grades of our public schools, can be made at once with-

It is one of the opportunities of the times to introduce industrial "culture" they can't afford. Industry becomes instruction in an effective, entertaining manner at low rate of expense hateful, to get rich quick an obsession, and boy efficiency is reduced by during the common school course, and perhaps even the 5 cent theater class of commodities after another shown and leaflets or bulletins discraze can be utilized. We dramatize crime, even in our courts. Why

A method in the traveling library manner can be organized quickly and working demonstrators secured from the business houses and fac-What our industrial development and our social evolution both tories, while periodical office inspection and factory visiting could be require is more of the spirit of occupation for occupation's sake, and made a part of the whole in such a way as to make the boy fall in love that is a sentiment which can be fostered by object lessons and well with the system. It might be carried through every grade and even

N problems of industrialism efficiency is the timed elucidations directed toward the productive and dependable, but into the colleges and universities, as well as joined to consular and diplomatic preparatory studies. This kind of familiarity would breed respect on both sides and all around.

> have shown the value of object lessons and applied methods for uplift- own-it's serious thinking, for the "boy problem" indeed awaits soluing public taste and conveying information, but they all lack the continuity essential in complete educative science; and the ratio of efficiency

Movable and exchangeable scientific exhibits, models, commercial samples, classified with picture catalogues of apparatus and operative trade, would be strong incentives, while the machinery, together with current statistics, including market reports and quotations, would give basic facts for students in industrialism. This would be less difficult than the assembling of a world's fair, while the benefit would be permanent instead of transitory.

Temporary locations could be secured at first for talks, and one tributed-even instruction by correspondence could be carried on.

A beginning like this may be made with specimens of commercial products of the greatest current interest, and a spirit of rivalry engendered between different classes of manufacturers that would create a wholesome excitement for the pupils, and perhaps help to clarify even tariff questions in time.

Along with detailed knowledge of the natural history and manufac-

#### By G. Edward Fuller.

turing possibilities of the goods there would come that elementary curiosity which is the foundation of vocational pride.

Look back to 1871 and judge what the helpless little ones now Museum, exposition, and commercial demonstration lines of work entering school will have to face before their children come into their

> Selective competition, with fellowship diplomas, which could take the form of indorsements and recommendations

for specific positions in the pupils' choice of cultivated habits of purpose would tend to promote contentedness within the average ranks of industrial and commercial life where most of us

We can't make farmers of city boys-the professions and the offices are overfull-but any manufacturer will tell the inquiring educator that trained young men with working ideas are wanted and welcome in the factories, the strongholds of modern industrialism, where the ratio of manhood efficiency is becoming high enough to take on a dignity of its own.



### Civilization Marks Doom of Stimulants. By Ada May Krecker.



itive temper, both mental and physical. Their and gross. Whatever their genfus it lags be-

to whip away the physical torpor which prevents them from doing slowing effect, the deteriorating effect of this drug." even their rough brute tasks. But slave drivers with whips could do little with a twentieth century poet wooing his muse or an astronomer ideas and habits. It was thought that a sailor in the merchant ma-

R. HAUSEMANN of Berlin is one of the different stimulus. As men refine the grosser excitants make no appeal been absolutely abolished in our navy and is no longer served in well among the finest types of the most advanced races that we see them scientific dignitaries. And he has found four to them and are unable to waken the forces needed for their civilized conducted ships of merchant marine, "and the result is a demonstra- discarded in favor of subtler stimuli. Prof. James, the Harvard psyorders of geniuses. Lowest in rank he places work. Their dainty systems use, of course, totally different faculties tion that rough, hard life was not really helped by alcohol but him-

President Eliot of Harvard has been all his life what is somehind the contemporary march as a souvenir mal experimentation, has satisfied me that even the moderate use of and survival of cruder ages. It belongs to the alcohol is objectionable, that the habitual use of alcohol in any form are roused into activity only by the roughest leading a purely animal or muscular life, I will say he can perhaps feel no evil effect from the drug, but if he is leading an intellectual It is recorded that the rude natives of un- life, if he is engaged in an action which interests him keenly, stirs But even in manual work President Eliot finds men changing their

calculating the distance from Arcturus to the sun. These require a rine or in the navy had to be braced by his daily grog. But grog has and plentiful employed for setting into action men's powers. It is only that cheers but does not inebriate."

the terrible exposures of the bridge by means of alcohol."

But there needs no argument to press home the proof of a decline mind and body stuff are comparatively coarse times called a moderate drinker, but now he is confessing that "the in the use of liquors. It is perfectly evident throughout the country. recent progress of medical science, largely accomplished through ani- And in narcotics a similar change of heart is coming about. Around a particularly handsome Chicago dinner table several weeks ago the and tea. An Englishman, E. Baron Russel by host passed a box of remarkably fragrant cigars only to find it resluggish primitive races whose inert energies is lowering to the intellectual and nervous power. Now, if a man be turned to him full to the brim, with not a cigar out of its place. "Send it back to the store." laughed a guest. John J. Hayes, winner of the Marathon race in London, confesses in a magazine that "No long distance runner can smoke either cigars or cigarets and run. One thing civilized lands beg their overseers to lash them him, impels him to the use of his mind, then he will inevitably feel the is essential, abstinence from tobacco in any form. I suggest running as a certain cure for the tobacco habit to any one who wishes to break himself of it."

Go where we will among the savages and we find drugs powerful breakfasts and afternoon teas without "the cup

those whose inspirations flow from drugs, nar- from the savage organism and respond to entirely different stimuli. dered. No captain of an ocean liner ever supports himself now against sunlight and fine skies and mountain walks and dewy flowers and great thoughts and sweet aspirations above the

frothy hopes of the foaming glass. They are the natural stimulants of refined organisms.

These need no other. No, not even coffee name, has been making predictions for the year 2000 A. D., and he has it that by that time the human system will have so refined that tea and coffee will be placed in the same category that alcoholic stimulants occupy nowadays. The prohibitionists of that remote hour will be campaigning against tea and coffee and teetotalers will sign their pledges in favor of coffeeless



# Fostering Talents Often Impossible.



OME time ago an acquaintance of mine, who ical conditions, announced it as his opinion that couraged. educational institutions, for the masses at

"Why should not the schools, colleges, and

directed ambitions. They are the round pegs in the square holes. Why not an advisory body which would prevent the mistake?"

which to pass its constituted judgment; and after that lone applicant which are passing upon the qualifications of applicants, accepting and compound fracture of the skull. It was a condition which under any the face of the inevitable, you are forced to ac-

finds pastime in looking a little into sociolog- is such as to discourage talent and genius as it never before was dis-

equipping the young man for his occupation according to estimates, it will cost him \$1,000 to \$1,500 to acquire his medical degree.

universities-perhaps even the state itself- instance? Suppose that in the grammar grades of a public school establish a commission which should examine some boy were discovered who showed unmistakable evidences of genius sionally, too, this social influence will be sufficient to hold the mediocre the student body on practical lines and give to in surgery. What would it avail that boy if he were one of four or five one in his position for years-perhaps for life. the individual student its best opinion as to the children in the family of a father who drew a salary of \$20 a week? line of work for which he is best fitted? Thou- There are a hundred chances to one that instead of ever becoming a sands of young men fail, not because of incom- noted surgeon, that boy will gravitate from the eighth grade in grampetent bodies and brains, but because of mis- mar school to the position of driver for a grocer's wagon.

The point is overlooked by my friend that at the present time Probably a thousand reasons could be advanced to show how ness of young men for place in the world. The young man cannot proficiency which exacted recognition for him wherever the science of and why such a commission inevitably would fail of such a purpose. become a cadet at Annapolis or at West Point if he isn't tall enough Under an absolute monarchy, where government asserted absolute and of age and weight prescribed. Perhaps the civil service examina- to his work under the influence of family pressure which could comownership of its citizens, the idea might be carried out—and fail. But tions, city, state, and national, are representative of the greatest single mand position and influence for him the moment he got his diploma. under democratic government, where the individual citizen is slow to force passing in judgment upon the fitness of the young man aspiring. The one man gained his recognition through sterling worth; the other yield his individuality in any degree, even to the public good, such a to place in governmental affairs. After which, in thousands of estabcommission might sit for ten years without having an applicant upon lished businesses, there are thousands of such figurative commissions

A fact too little regarded today is that our complex civilization man has prepared for his work. So they are, but the fact is a condi-

If the young man of marked genius, through force of circum-When a young man has had four years of college work, he is eli-stances, must become driver of a grocery wagon, it is as certain that man called into consultation promises to be forgotten long before the least, do not go far enough in the work of gible for matriculation in a medical school of standing. After which, thousands of sons of well to do parents will become fitted, through costly preparation, for positions which they are not competent to fill, according to a wise commission's judgment. If these sons have not Do you see where the scheme of my friend would fall in this the ambition and the initiative for such choice, their parents and friends will bring the necessary influence to bear on this preparation. Occa-

Can it be denied that this is a discouraging condition?

Several years ago, in one of the largest cities of the country, two surgeons of prominence followed their professions contemporaneously. Both men are dead now, and the illustration and comparison must be less "odious" because of this fact. One of these men was of foreign there are commissions in endless chains which are canvassing the fit- birth, who had fought his way at every step to that knowledge and

had received this judgment, the chances are that between himself and rejecting, as they will, according to experience and knowledge of men. circumstances called for one specific, first surgical action. But when You may say that all these inquisitions are made after the young a few days later the other surgeon was called in consultation as a

#### By John A. Howland. last resort in saving the life of the patient-that first and only pre-

caution had not been taken!

Isn't it discouraging, however, when in that city the name of the name of the society incompetent, who, because of crass ignorance of his profession, had to call the genius into consultation?

Now and then in the present, as probably always in the future, that strong soul rises up who "Breaks his birth's invidious bar.

And grasps the skirts of happy chance, And breasts the blows of circumstanca, And grapples with his evil star." But there are circumstances that cannot be

breasted, preach it as you will. There are skirts ; of chance that are not to be grasped by human hands. If in the time of Gray, "Some mute, inglorious Milton here may rest,

Some Cromwell, guiltless of his country's blood." what of the epitaphs that every day may be written in the present complex, competitive life of

the twentieth century? Follow your bent if you can! Take no onenot ten-negatives for final answer! But if, in

cept the next best thing, honest earnestness must

bring its compensations.



# Don't Marry Out of Your Own Plane.



own plane of life take heavy risks. Happi- of life to another. which implies similarity of ideas, common sym- gress or parliament can alter the stubborn fact. Tennyson may say: pathies, and equal standards of right and wrong.

Husband and wife may never exchange an angry word or look, and yet be so alien in Burns may sing: temper, so opposite in sentiment, as never to

agree. The intimate union of heart and soul without which marriage is a sham and mockery, and often becomes a curse, can never be realized where this compatibility of temper does

and temperament, modern scientists tell us, largely is a matter of The risks which counterfeiters do not hesitate to incur bear strong dent moral, a salutary one for all who have sense to understand. Training is all important; there is an old and homely say- testimony to the value of the "guinea stamp."

ing that "what is bred in the bone will show itself in the flesh."

EN, still more women, who marry out of their out preparation, almost without warning, is transferred from one plane

upon compatibility of temper, not a natural other—that is to say, in the sense that their legal rights are the are a bit of arrant poetic fiction. Entomologists say that the beetle facility of disposition which readily adapts same. But even in courts of justice there are sharp distinctions as itself to the moods and tenses of others, but to character and social standing; while all the world over silk is acthe entire and cordial agreement which is based counted of more value than cotton, sealskin than coney. "One vesupon community of tastes and of interests; sel is made to dishonor, and another to honor," and no edict of con-

> "Kind hearts are more than coronets, And simple faith than Norman blood,"

"The rank is but the guinea stamp, The man's the gowd for a' that,"

yet a coronet backed by a long pedigree is impressive, not to say endure the constant irritation of tricks and manners wholly in oppo-All which makes for or against it chiefly, if not altogether, is de- dazzling to most people, while gold, however pure, will not pass as sition to one's own. The fable of the cat which when changed into a termined by birth and environment. Temperament counts for much, current coin of the realm unless it has duly been stamped as such.

Physiologists no less than psychologists assure us that generaof its element than is the average man or woman who suddenly, with brain. The oft quoted lines,

In corporal sufferance finds a pang as great As when a giant dies,"

is almost insensible. On the other hand the giant's capacity for suf- after the knot is tied. However high may be their own social status fering is in inverse ratio to his bodily strength, and power of physical they cannot compel society to approve the match. True, if they are endurance, a matter of more or less sensitive organization. It conclusively has been proved that the laborer, roughly nurtured and hardened by contact with the seamy side of life, is insensible to a apt to be a long and a hard one, and society never forgets, though it degree of pain which would be intense torture to another man who may consent to ignore the plt from which the interloper was had been lapped in luxury from birth.

"There's nothing either good or bad but thinking makes it so." It all depends upon the point of view, which in turn depends upon lower social plane than her own the case is by the standards fixed by education and association.

The law of life is that people must be congenial in order happily to dwell together. For most of us the definition of an agreeable person is one who agrees with us, and the most ardent love cannot long beautiful woman left her husband's arms to chase mice has its evi-

A gentleman cannot marry his cook or housemaid, nor can a girl A fish out of water, a land bird at sea, is no more hopelessly out tions of culture and refinement have infinite effect upon nerves and their friends and associates will receive the erratically chosen spouses the risk is great, and few are the chances in her elope with her father's man servant, and hope, much less expect, that tentment, no great harm may be done. But into even the outer circle of their exclusive set. It is nonsense to favor.

#### By Melen Oldfield.

say that love can level all distinctions. It may overleap them, but seldom, if ever, does it fail to find barriers afterwards to be sur-

Men who marry beneath them often have an uncomfortable time plucky and persistent, and the wives have the qualities necessary for social success, the pair usually win in the long run, but the struggle is

When a woman takes a husband from a far more difficult. When a man marries he can, if he so elects, entirely cut his wife off from past associations, and separate her from her own people; on the contrary, a woman, so to speak, marries her husband's family, and thenceforth must cast her lot with them, unless the man sees fit to cut himself adrift. If the man successfully can rise, well and good; if the woman can descend with an air of complete con-

